

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER FD 4-21D-5-19					
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT UNDESIGNATED					
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME					
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134					
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) FEE			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee') MARY LOU HUBER						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-247-2446					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO BOX 55, LA POINT, UT 84039						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		916 FNL 470 FWL		NWNW	21	5.0 S		19.0 E		S	
Top of Uppermost Producing Zone		660 FNL 660 FWL		NWNW	21	5.0 S		19.0 E		S	
At Total Depth		660 FNL 660 FWL		NWNW	21	5.0 S		19.0 E		S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 640					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion) 1845			26. PROPOSED DEPTH MD: 13819 TVD: 13809					
27. ELEVATION - GROUND LEVEL 5400			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-1645					
Hole, Casing, and Cement Information											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight
Cond	26	16	0 - 86	65.0	Unknown	8.7	No Used		0	0.0	0.0
Surf	12.25	9.625	0 - 2500	36.0	J-55 ST&C	8.7	Halliburton Light , Type Unknown		400	3.16	11.0
							Halliburton Premium , Type Unknown		230	1.39	14.8
I1	8.75	7	0 - 9200	36.0	P-110 LT&C	10.0	OTHER		730	2.31	11.0
							OTHER		320	1.42	13.5
L1	6.125	4.5	9000 - 13819	13.5	P-110 LT&C	12.5	Unknown		480	2.31	1.45
							Unknown		470	1.42	13.5
ATTACHMENTS											
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Brady Riley			TITLE Permit Analyst			PHONE 303 312-8115					
SIGNATURE			DATE 12/04/2014			EMAIL briley@billbarrettcorp.com					
API NUMBER ASSIGNED 43047551020000						APPROVAL					

Received: December 11, 2014

BILL BARRETT CORPORATION

DRILLING PLAN

FD 4-21D-5-19

NWNW, 916' FNL and 470' FWL, Section 21, T5S-R19E, SLB&M (surface hole)

NWNW, 660' FNL and 660' FWL, Section 21, T5S-R19E, SLB&M (bottom hole)

Uintah County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth – TVD</u>
Green River	6,446'	6,439'
Mahogany	7,147'	7,139'
TGR3*	8,454'	8,444'
Douglas Creek	8,580'	8,570'
Black Shale Facies	9,152'	9,142'
Castle Peak	9,343'	9,333'
Uteland Butte	9,712'	9,702'
Wasatch*	10,311'	10,309'
TD	13,819'	13,809'

*PROSPECTIVE PAY

The Wasatch and the Green River are primary objectives for oil/gas.

Base of Useable Water = 4,466'

3. BOP and Pressure Containment Data

<u>Depth Interval</u>	<u>BOP Equipment</u>
0 – 2500'	Rotating Head or Diverter (may pre-set 9-5/8" with smaller rig)*
2500' – TD	11" 10000# Double Ram Type BOP (Pipe/Blind) 11" 10000# Single Pipe Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 10,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

*See Appendix A

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	2500'	9 5/8"	36#	J or K 55	ST&C	New
8 3/4"	Surface	9200'	7"	26#	P110	LTC	New
6 1/8"	9000'	TD	4.5" Liner	13.5#	P110	LTC	New

5. **Cementing Program**

16" Conductor Casing	Grout
12-1/4" hole for 9-5/8" Surface Casing (may pre-set with spudder rig)	Lead: 400 sx Halliburton Light w/ additives and LCM, 11.0 ppg, 3.16 ft ³ /sx, 100% excess Tail: 230 sx Halliburton Premium w/ additives and LCM, 14.8 ppg, 1.39 ft ³ /sx, 100% excess Cement to surface, top out as necessary.
8-3/4" hole for 7" intermediate casing	Lead: 730 sx Tuned Light cement w/ additives mixed at 11 ppg (yield = 2.31 ft ³ /sx). Tail: 320 sx Halliburton Econocem w/ additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). 2000' fill, Planned TOC @ Surface 50% excess
6-1/8" hole for 4.5" production liner	480 sx EXPANDACEM w/ additives, 14.3 ppg, (yield = 1.45 ft ³ /sx), 4819' fill, Planned TOC @ 4.5" liner top, 50% excess

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 2,500'	Air/Mist/ 8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
2,500' - 5,500'	9.2 – 9.4	26 – 36	NC	Freshwater Mud Fluid System
5,500' – 9200'	9.4 – 10.0	42 – 58	25 cc or less	LSND Fluid System
9200' – TD	10.0 – 12.5	58-60	< 10 cc	LSND FW mud
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

8. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 8976 psi* and maximum anticipated surface pressure equals approximately 5938 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation
Drilling Program
FD 4-21D-5-19
Uintah County, Utah

9. **Auxiliary Equipment**

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. **Location and Type of Water Supply**

Water for the drilling and completion will be from:

43-2505, (t37379): McKinnon Ranch Properties, LC
43-12345 (F78949): Dale Anderson
43-10664 (A38472): W. E. Gene Brown
49-1645 (A35800): RN Industries, Inc.
49-2336 (t78808): RN Industries, Inc.
43-8496 (A53617): A-1 Tank Rental
43-10288 (A65273): Nile Chapman (RNI)
49-2247 (F76893): Magnum Water Service
43-8875 (t38762): Four Star Ranch (c/o David Yeman)

11. **Drilling Schedule**

Location Construction: MARCH 2015
Spud: MARCH 2015
Duration: 15 days drilling time
6 days completion time

12. **Appendix A**

9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line on the rig
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits



Cement Volume Calculations for the: FD 4-21D-5-19

Surface Hole:

<u>Hole Data:</u>	
Total Depth (MD) =	2,500'
TOC (MD) =	0'
Hole Diameter =	12.250"
Casing OD =	9.625"
Casing ID =	8.921"
Excess =	100%

<u>Calculated Data:</u>	
Lead Fill =	2000 ft
Lead Volume =	111.6 bbl
Tail Fill =	500 ft
Tail Volume =	27.9 bbl

<u>Cement Data:</u>	
Lead Weight =	11.00 lbm/gal
Lead Yield =	3.16 ft ³ /sk
Tail Weight =	14.80 lbm/gal
Tail Yield =	1.39 ft ³ /sk

<u>Proposed Cement Data:</u>	
Proposed SX Lead =	400
Proposed SX Tail =	230

Intermediate Hole: 50' into Black Shale

<u>Hole Data:</u>	
Total Depth (MD) =	9,200'
TOC (MD) =	0'
Hole Diameter =	8.750"
Casing OD =	7.000"
Casing ID =	6.366"
Excess =	50%

<u>Calculated Data:</u>	
Lead Fill =	7200 ft
Lead Volume =	200.1 bbl
Tail Fill =	2000 ft
Tail Volume =	80.3 bbl

<u>Cement Data:</u>	
Lead Weight =	11.00 lbm/gal
Lead Yield =	2.31 ft ³ /sk
Tail Weight =	13.50 lbm/gal
Tail Yield =	1.42 ft ³ /sk

<u>Proposed Cement Data:</u>	
Proposed SX Lead =	730
Proposed SX Tail =	320

Production Liner: 200' into Intermediate Casing

Hole Data:

Total Depth (MD) = **13,819'**
TOL (MD) = **9,000'**
Hole Diameter = **6.125"**
Liner OD = **4.500"**
Open Hole Excess = **50%**
Casing Excess = **50%**

Calculated Data:

Lead Fill = **4819** ft
Lead Volume = **81.4** bbl

Cement Data:

Lead Weight = **14.30** lbm/gal
Lead Yield = **1.45** ft³/sk

Proposed Cement Data:

Proposed SX Lead = **480**

Returned Unapproved

3. PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. Two (2) pipe rams (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) manual and hydraulic choke line valves (3-inch minimum).
6. Remote kill line (2-inch minimum).
7. Two (2) chokes with one remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Wear ring in casing head.
13. Pressure gauge on choke manifold.
14. Fill-up line above the uppermost preventer.

B. Pressure Rating: 10,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure

will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

CONFIDENTIAL
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LEGEND:

└ = 90° SYMBOL

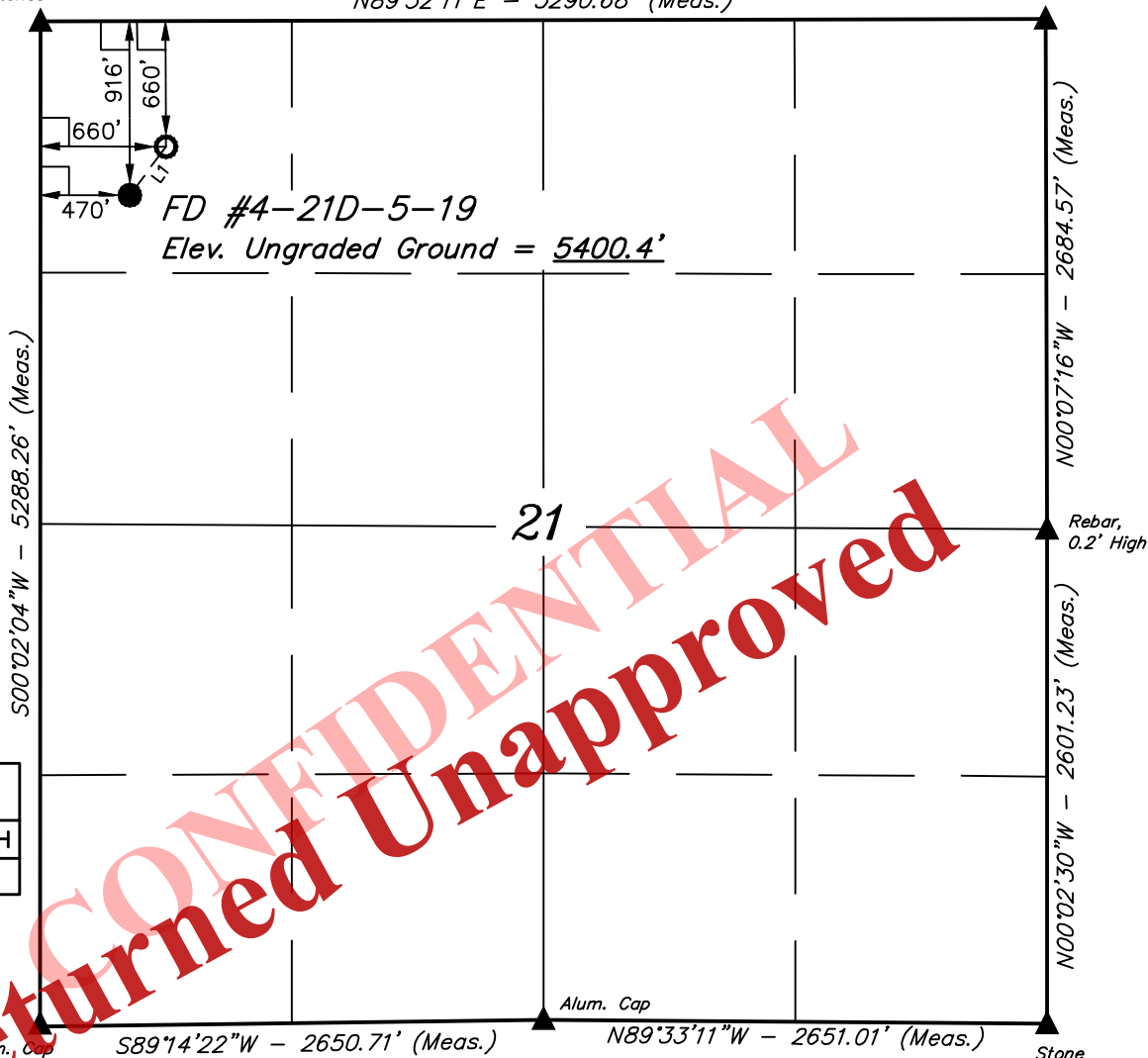
● = PROPOSED WELLHEAD.

○ = TARGET BOTTOM HOLE.

▲ = SECTION CORNERS LOCATED.

Rebar,
Yellow Plastic Cap
0.8' High, Pile of
Stones**T5S, R19E, S.L.B.&M.**

N89°52'11"E - 5290.68' (Meas.)

Rebar,
Orange Plastic Cap
in Cattleguard**LINE TABLE**

LINE	DIRECTION	LENGTH
L1	N36°32'58"E	319.16'

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NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°22'23.02" (40.373061)	LATITUDE = 40°22'20.48" (40.372356)
LONGITUDE = 109°48'09.87" (109.802742)	LONGITUDE = 109°48'12.33" (109.803425)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°22'23.16" (40.373100)	LATITUDE = 40°22'20.63" (40.372397)
LONGITUDE = 109°48'07.35" (109.802042)	LONGITUDE = 109°48'09.80" (109.802722)

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161310
STATE OF UTAH

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6097 FEET.

BILL BARRETT CORPORATION

FD #4-21D-5-19
NW 1/4 NW 1/4, SECTION 21, T5S, R19E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY: C.R., A.E.	SCALE: 1"=1000'	DRAWN BY: M.L.
DATE: 04-09-14		REVISED: 05-16-14

WELL LOCATION PLAT

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Received: December 04, 2014

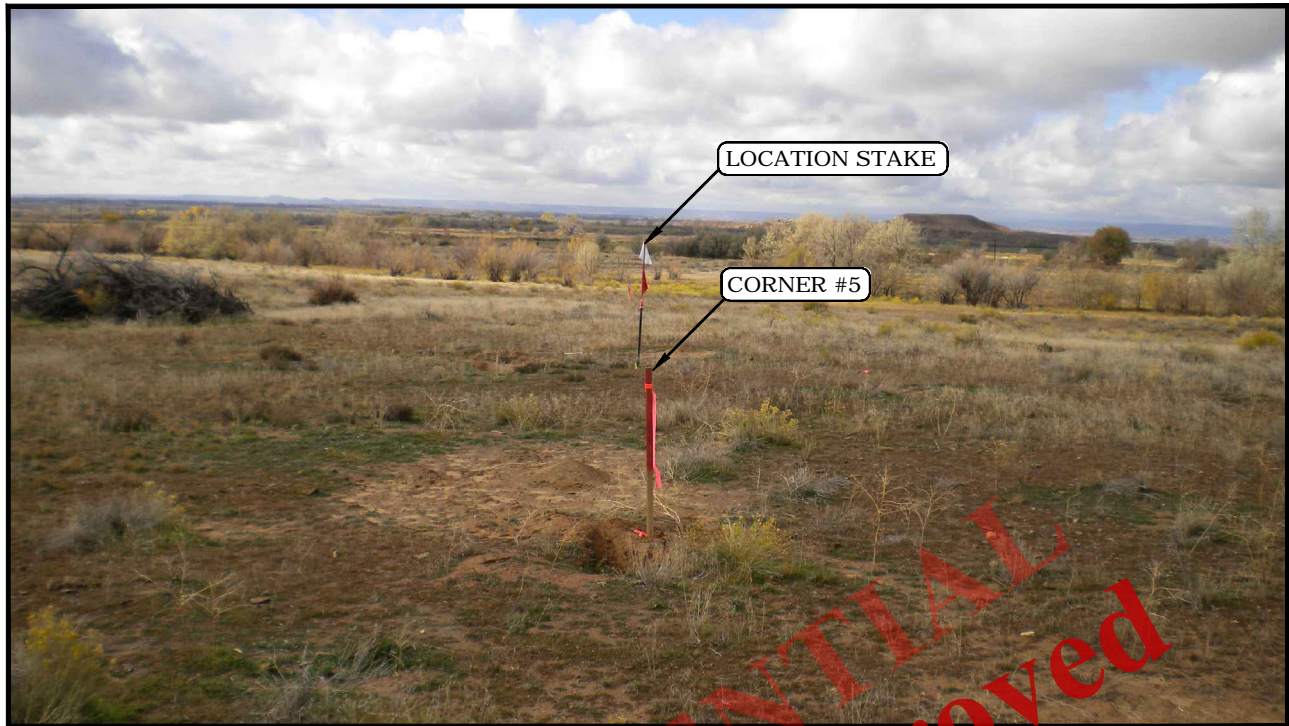


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY

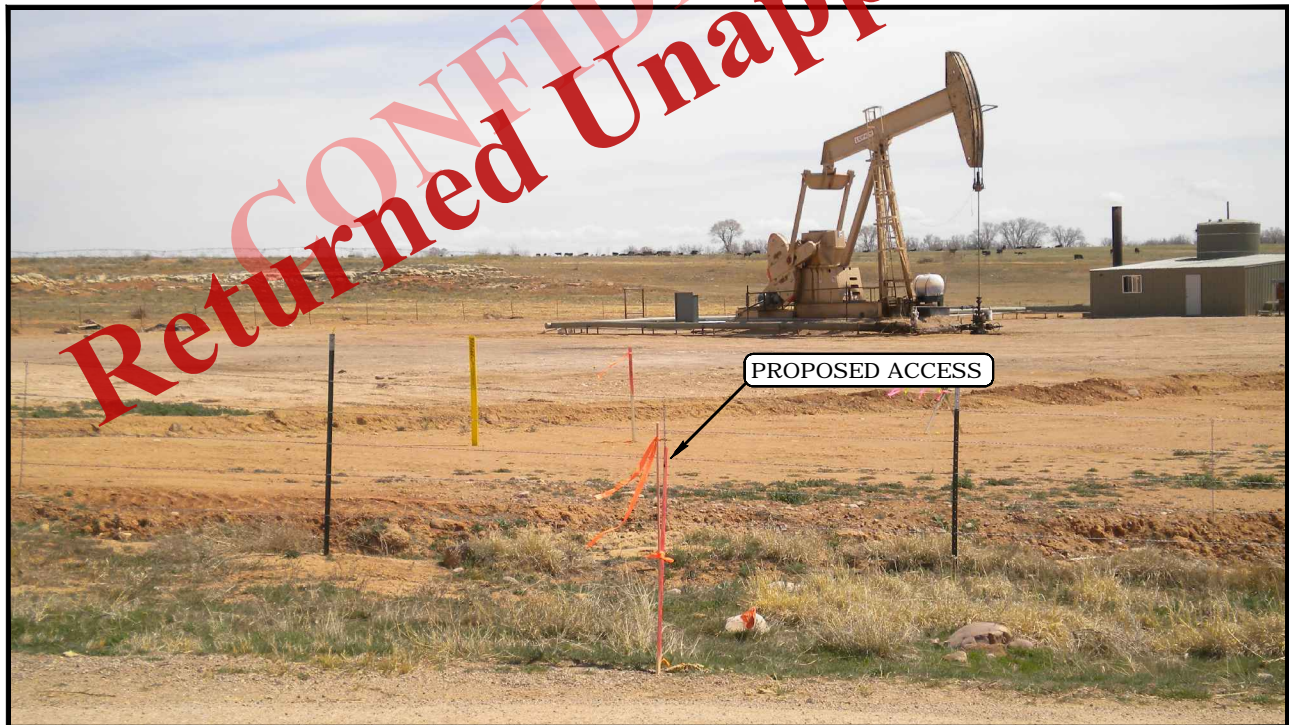


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY

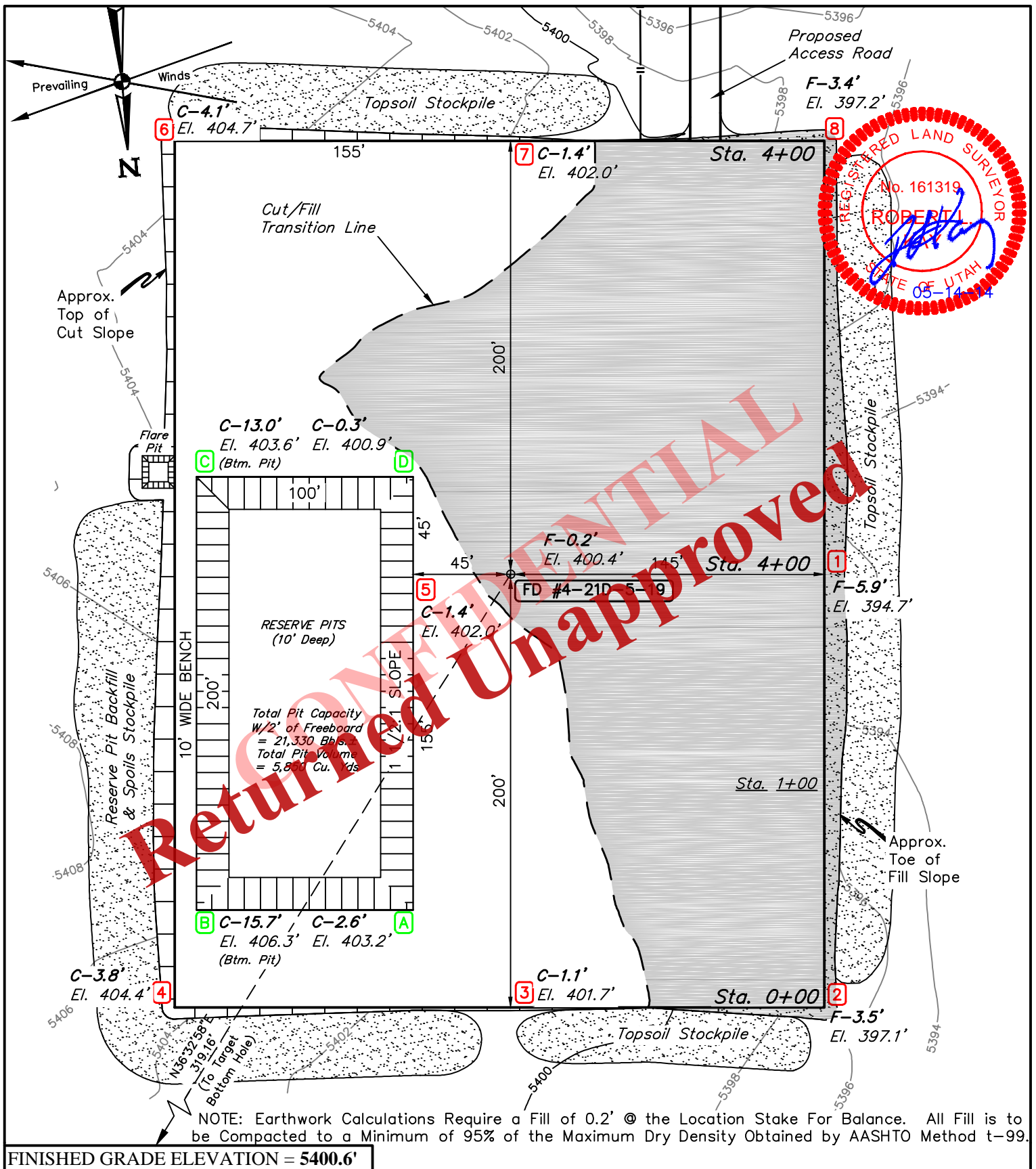
BILL BARRETT CORPORATION

FD #4-21D-5-19
SECTION 21, T5S, R19E, S.L.B.&M.
916' FNL 470' FWL



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: L.S.	TAKEN BY: C.R.
DATE DRAWN: 05-08-14	REV: 00-00-00
LOCATION PHOTOS	PHOTO



NOTES:

- Flare Pit is to be located a min. of 100' from the Wellhead.
- Round Corners At 35' Radius or as Needed.
- Construct Diversion Ditches as Needed.
- Contours Shown at 2' Intervals.

BILL BARRETT CORPORTATION

FD #4-21D-5-19
SECTION 21, T5S, R19E, S.L.B.&M.
916' FNL 470' FWL



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SCALE: 1" = 60'

DRAWN BY: M.L.

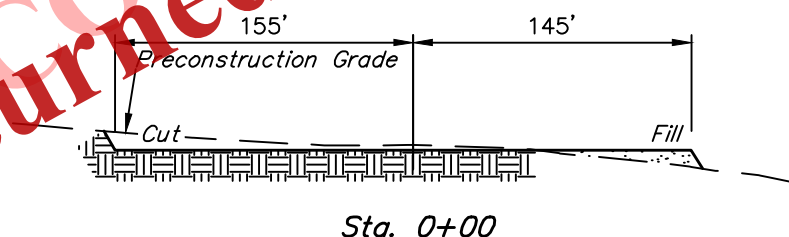
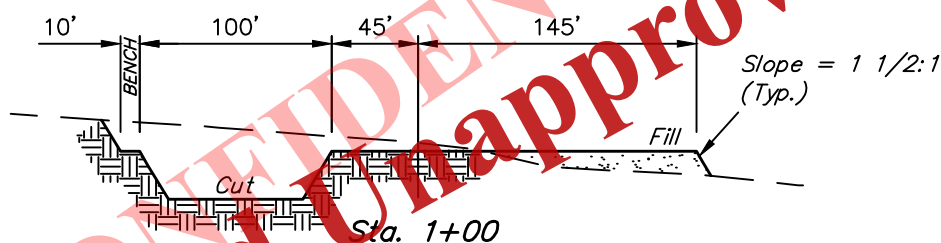
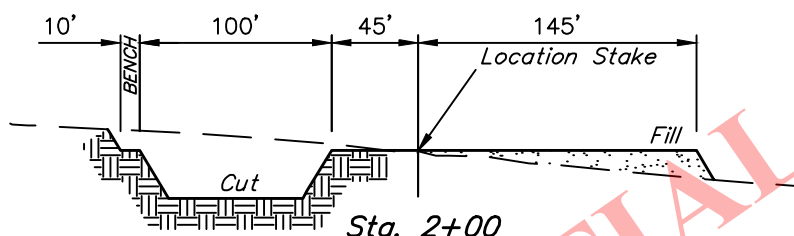
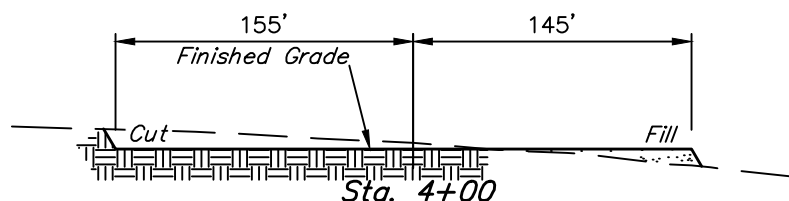
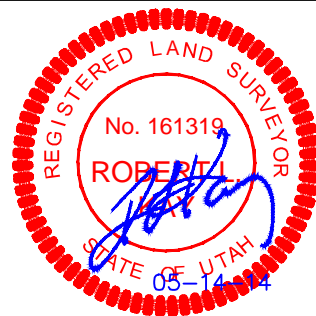
DATE: 04-17-14

LOCATION LAYOUT

FIGURE #1

Received: December 04, 2014

X-Section
Scale
1" = 100'



APPROXIMATE EARTHWORK QUANTITIES

(6") TOPSOIL STRIPPING	2,370 Cu. Yds.
REMAINING LOCATION	10,690 Cu. Yds.
TOTAL CUT	13,060 Cu. Yds.
FILL	7,760 Cu. Yds.
EXCESS MATERIAL	5,300 Cu. Yds.
TOPSOIL & PIT BACKFILL (1/2 Pit Vol.)	5,300 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS

	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±3.537
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±1639.11'	±1.129
30' WIDE PIPELINE R-O-W DISTURBANCE	±1638.14'	±1.128
TOTAL SURFACE USE AREA	±3,277.25'	±5.794

NOTES:

- Fill Quantity Includes 5% for Compaction.
- Calculations Based on 6" of Topsoil Stripping.
- Topsoil Should not be Stripped Below Finished Grade on Substructure Area.

BILL BARRETT CORPORTATION

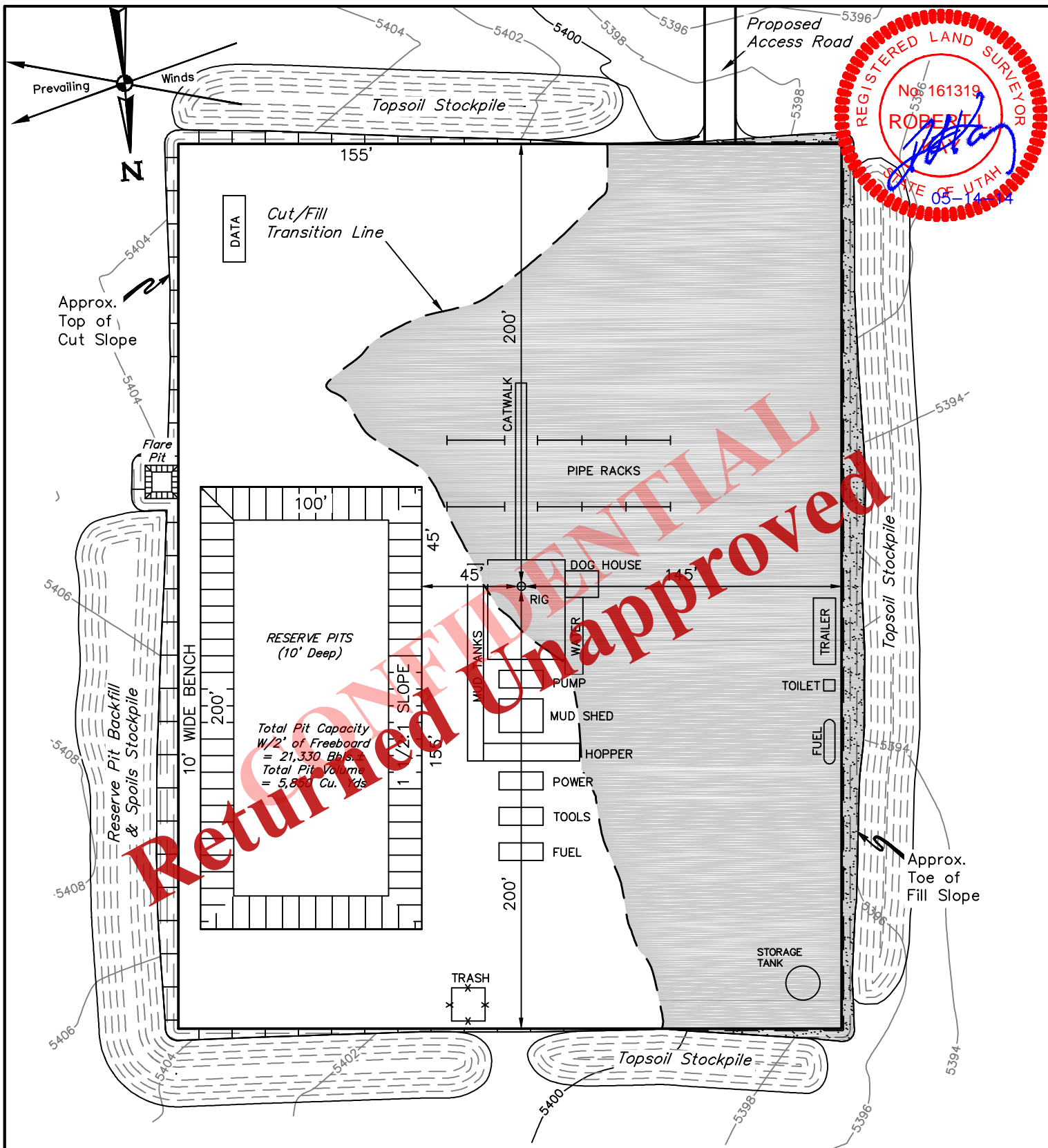
FD #4-21D-5-19
SECTION 21, T5S, R19E, S.L.B.&M.
916' FNL 470' FWL

SCALE: AS SHOWN	DRAWN BY: M.L.	DATE: 04-17-14
TYPICAL CROSS SECTIONS		FIGURE #2



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Received: December 04, 2014



NOTES:

- Flare Pit is to be located a min. of 100' from the Wellhead.
- Contours Shown at 2' Intervals.

BILL BARRETT CORPORTATION

**FD #4-21D-5-19
SECTION 21, T5S, R19E, S.L.B.&M.
916' FNL 470' FWL**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SCALE: 1" = 60'

DRAWN BY: M.L.

DATE: 04-17-14

TYPICAL RIG LAYOUT

FIGURE #3

Received: December 04, 2014

PROCEED IN A NORTHERLY, THEN WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 121 APPROXIMATELY 17.3 MILES TO THE JUNCTION OF THIS ROAD AND 10500 E TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE EAST; FOLLOW ROAD FLAGS IN A EASTERLY DIRECTION APPROXIMATELY 1,692' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 20.0 MILES.

CONFIDENTIAL
Returned Unapproved

BILL BARRETT CORPORATION

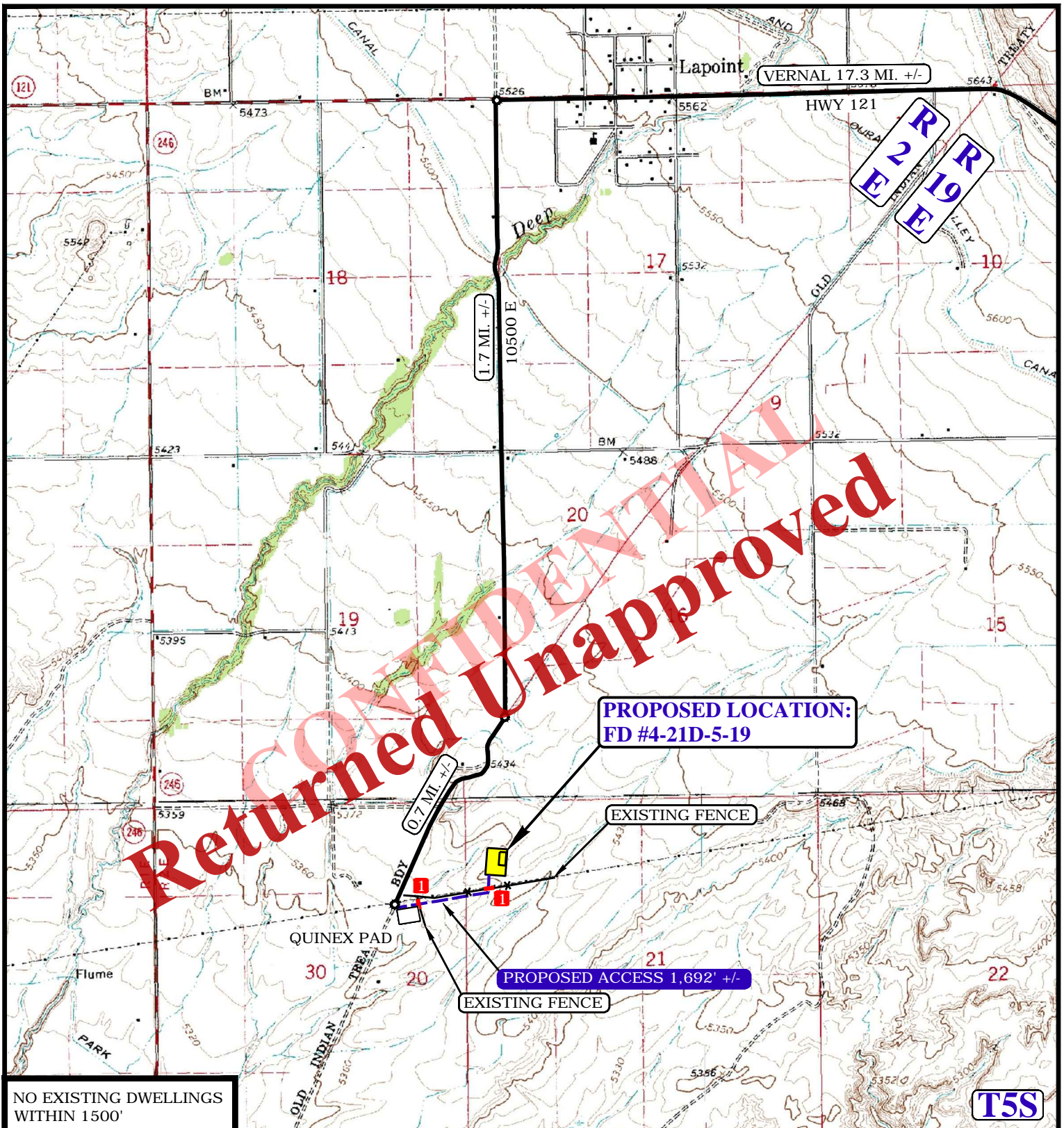
FD #4-21D-5-19
SECTION 21, T5S, R19E, S.L.B.&M.
916' FNL 470' FWL



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: L.S.	
DATE DRAWN: 05-08-14	REV: 00-00-00
ROAD DESCRIPTION	

Received: December 04, 2014



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- - - PROPOSED ROAD
- INSTALL CATTLE GUARD

BILL BARRETT CORPORATION

FD #4-21D-5-19
SECTION 21, T5S, R19E, S.L.B.&M.
916' FNL 470' FWL

DRAWN BY: L.S.

SCALE: 1" = 2000'

DATE DRAWN: 05-08-14

REV: 00-00-00

ACCESS ROAD MAP

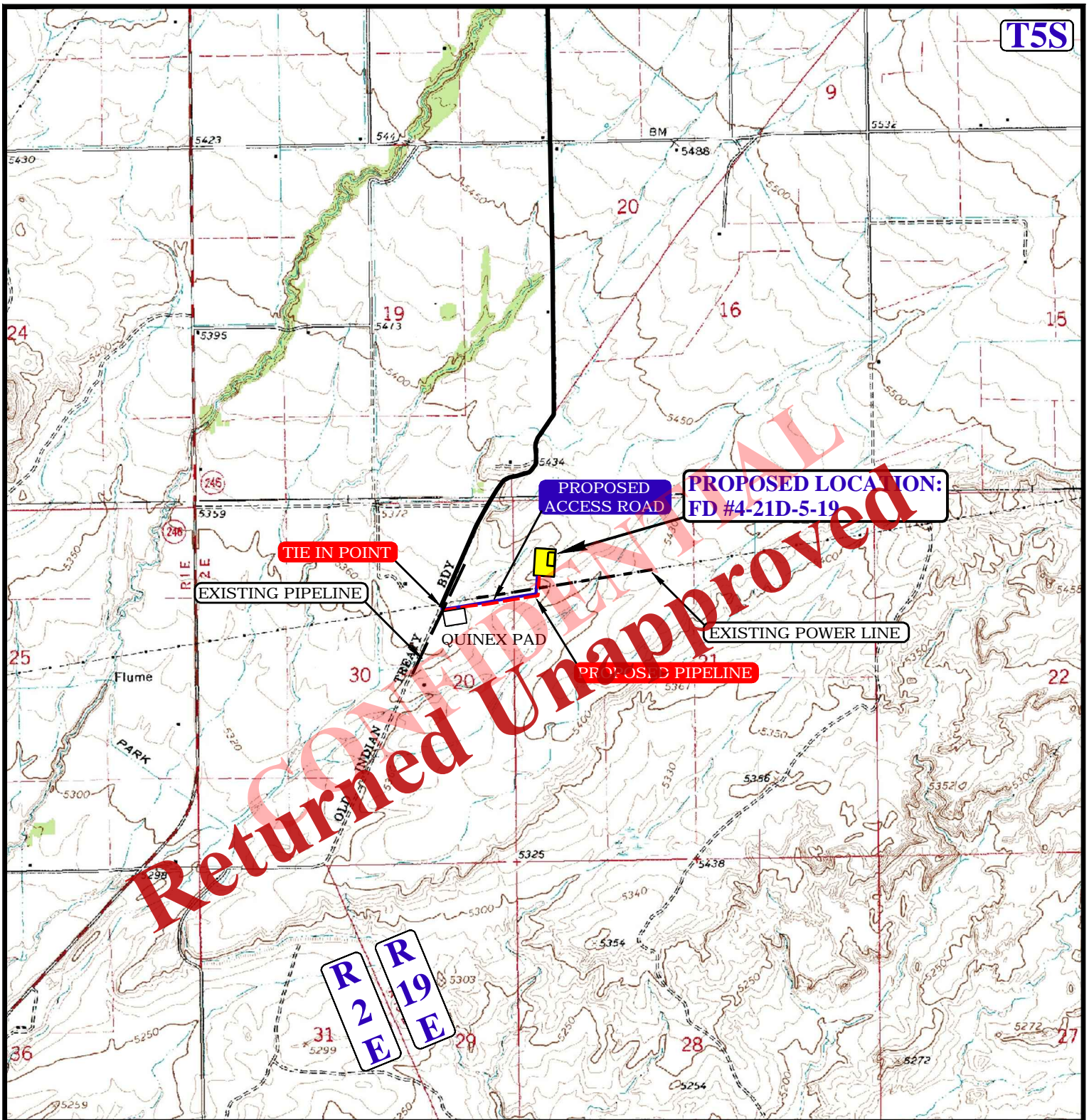
TOPO B



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017






Received: December 04, 2014



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,693' +/-

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

 PROPOSED ROAD
 EXISTING PIPELINE
 PROPOSED PIPELINE

BILL BARRETT CORPORATION

FD #4-21D-5-19
 SECTION 21, T5S, R19E, S.L.B.&M.
 916' FNL 470' FWL

DRAWN BY: L.S.

SCALE: 1" = 2000'

DATE DRAWN: 05-08-14

REV: 00-00-00

PIPELINE MAP

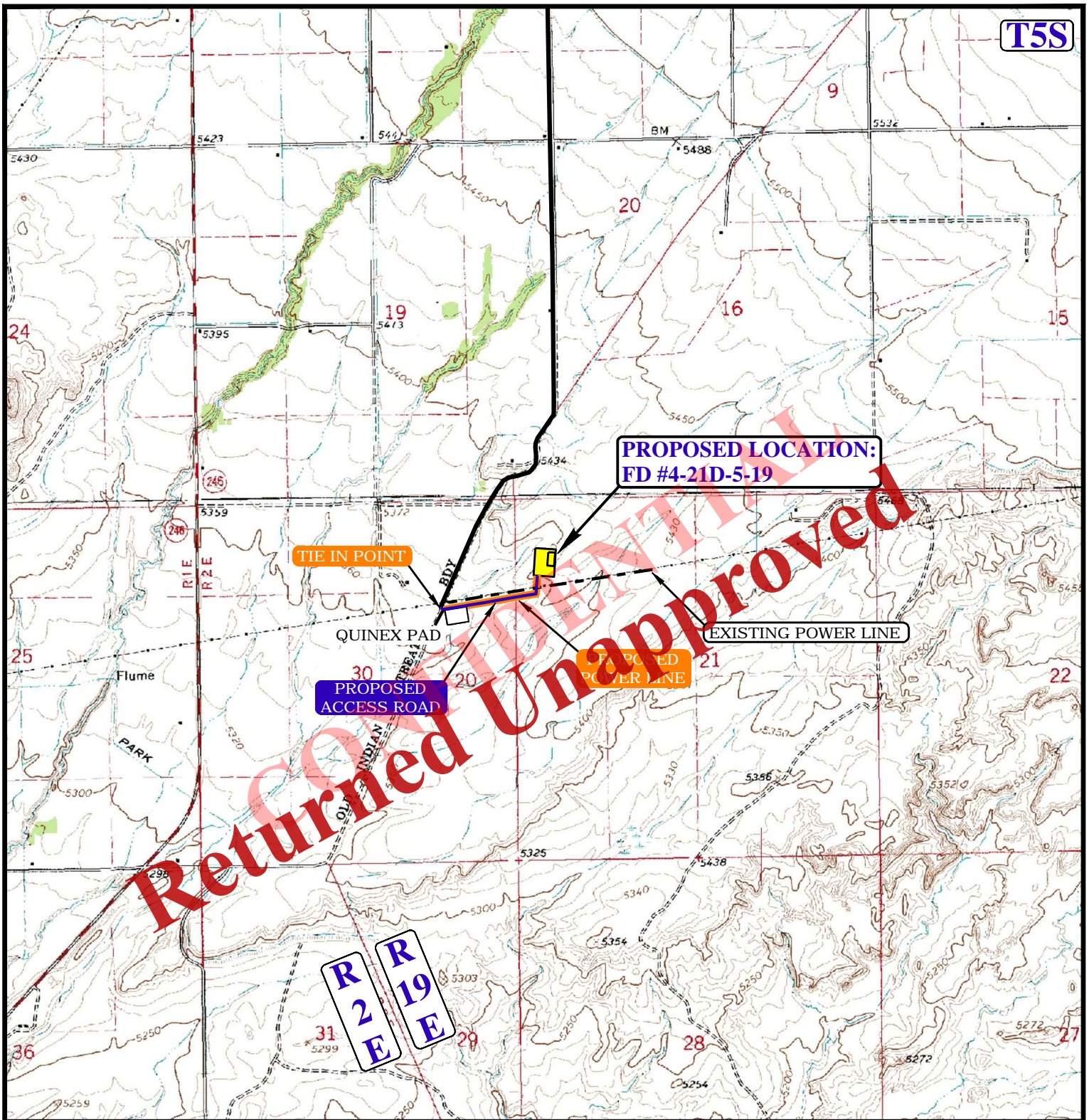
TOPO C



UEELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017



Received: December 04, 2014



APPROXIMATE TOTAL POWER LINE DISTANCE = 1,674' +/-

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- PROPOSED ROAD
- - - - - EXISTING POWER LINE
- PROPOSED POWER LINE

BILL BARRETT CORPORATION

FD #4-21D-5-19
SECTION 21, T5S, R19E, S.L.B.&M.
916' FNL 470' FWL

DRAWN BY: L.S.

SCALE: 1" = 2000'

DATE DRAWN: 05-08-14

REV: 00-00-00

POWER LINE MAP

TOPO D



UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017



Received: December 04, 2014



Bill Barrett Corporation

Fort Duchesne
SECTION 21 T5S, R19E
FD 4-21D-5-19

Wellbore #1

Plan: Design #1

Standard Planning Report

11 June, 2014

CONFIDENTIAL
Returned Unapproved





Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Site SECTION 21 T5S, R19E
Company:	Bill Barrett Corporation	TVD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Project:	Fort Duchesne	MD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Site:	SECTION 21 T5S, R19E	North Reference:	True
Well:	FD 4-21D-5-19	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Fort Duchesne		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Southern Zone		

Site	SECTION 21 T5S, R19E			
Site Position:		Northing:	11,196,662.51 usft	Latitude: 40° 22' 20.480 N
From:	Lat/Long	Easting:	2,113,579.98 usft	Longitude: 109° 48' 12.330 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 1.04 °

Well	FD 4-21D-5-19, SHL LAT: 40 22 20.48 LONG: -109 48 12.33			
Well Position	+N/-S	0.0 usft	Northing:	11,196,662.49 usft
	+E/-W	0.0 usft	Easting:	2,113,579.98 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	5,413.4 usft
			Ground Level:	5,400.4 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/10/2014	10.87	66.04	52,189

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	36.53

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,234.5	3.52	36.53	3,234.3	5.8	4.3	1.50	1.50	0.00	36.53	
8,219.6	3.52	36.53	8,210.1	251.5	186.3	0.00	0.00	0.00	0.00	
8,454.1	0.00	0.00	8,444.4	257.3	190.6	1.50	-1.50	0.00	180.00	4-21D-5-19 TGT
13,819.1	0.00	0.00	13,809.4	257.3	190.6	0.00	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Site SECTION 21 T5S, R19E
Company:	Bill Barrett Corporation	TVD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Project:	Fort Duchesne	MD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Site:	SECTION 21 T5S, R19E	North Reference:	True
Well:	FD 4-21D-5-19	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
Start Build 1.50										
3,100.0	1.50	36.53	3,100.0	1.0	0.8	1.3	1.50	1.50	0.00	
3,200.0	3.00	36.53	3,199.9	4.2	3.1	5.2	1.50	1.50	0.00	
3,234.5	3.52	36.53	3,234.3	5.8	4.3	7.2	1.50	1.50	0.00	
Start 4985.1 hold at 3234.5 MD										
3,300.0	3.52	36.53	3,299.7	9.0	6.7	11.2	0.00	0.00	0.00	
3,400.0	3.52	36.53	3,399.5	13.9	10.3	17.3	0.00	0.00	0.00	
3,500.0	3.52	36.53	3,499.4	18.9	14.0	23.5	0.00	0.00	0.00	
3,600.0	3.52	36.53	3,599.2	23.8	17.6	29.6	0.00	0.00	0.00	
3,700.0	3.52	36.53	3,699.0	28.7	21.3	35.8	0.00	0.00	0.00	
3,800.0	3.52	36.53	3,798.8	33.6	24.9	41.9	0.00	0.00	0.00	
3,900.0	3.52	36.53	3,898.6	38.6	28.6	48.0	0.00	0.00	0.00	
4,000.0	3.52	36.53	3,998.4	43.5	32.2	54.2	0.00	0.00	0.00	
4,100.0	3.52	36.53	4,098.2	48.4	35.9	60.3	0.00	0.00	0.00	
4,200.0	3.52	36.53	4,198.0	53.4	39.5	66.4	0.00	0.00	0.00	
4,300.0	3.52	36.53	4,297.8	58.3	43.2	72.6	0.00	0.00	0.00	
4,400.0	3.52	36.53	4,397.7	63.2	46.8	78.7	0.00	0.00	0.00	
4,465.9	3.52	36.53	4,463.4	66.5	49.2	82.7	0.00	0.00	0.00	
Base Saline Water										
4,500.0	3.52	36.53	4,497.5	68.2	50.5	84.8	0.00	0.00	0.00	
4,600.0	3.52	36.53	4,597.3	73.1	54.1	91.0	0.00	0.00	0.00	



Payzone Directional Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Site SECTION 21 T5S, R19E
Company:	Bill Barrett Corporation	TVD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Project:	Fort Duchesne	MD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Site:	SECTION 21 T5S, R19E	North Reference:	True
Well:	FD 4-21D-5-19	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,700.0	3.52	36.53	4,697.1	78.0	57.8	97.1	0.00	0.00	0.00	
4,800.0	3.52	36.53	4,796.9	82.9	61.4	103.2	0.00	0.00	0.00	
4,900.0	3.52	36.53	4,896.7	87.9	65.1	109.4	0.00	0.00	0.00	
5,000.0	3.52	36.53	4,996.5	92.8	68.7	115.5	0.00	0.00	0.00	
5,100.0	3.52	36.53	5,096.3	97.7	72.4	121.6	0.00	0.00	0.00	
5,200.0	3.52	36.53	5,196.2	102.7	76.0	127.8	0.00	0.00	0.00	
5,300.0	3.52	36.53	5,296.0	107.6	79.7	133.9	0.00	0.00	0.00	
5,400.0	3.52	36.53	5,395.8	112.5	83.4	140.0	0.00	0.00	0.00	
5,500.0	3.52	36.53	5,495.6	117.4	87.0	146.2	0.00	0.00	0.00	
5,600.0	3.52	36.53	5,595.4	122.4	90.7	152.3	0.00	0.00	0.00	
5,700.0	3.52	36.53	5,695.2	127.3	94.3	158.4	0.00	0.00	0.00	
5,800.0	3.52	36.53	5,795.0	132.2	98.0	164.6	0.00	0.00	0.00	
5,900.0	3.52	36.53	5,894.8	137.2	101.6	170.7	0.00	0.00	0.00	
6,000.0	3.52	36.53	5,994.6	142.1	105.3	176.8	0.00	0.00	0.00	
6,100.0	3.52	36.53	6,094.5	147.0	109.0	183.0	0.00	0.00	0.00	
6,200.0	3.52	36.53	6,194.3	152.0	112.6	189.1	0.00	0.00	0.00	
6,300.0	3.52	36.53	6,294.1	156.9	116.2	195.2	0.00	0.00	0.00	
6,400.0	3.52	36.53	6,393.9	161.8	119.9	201.4	0.00	0.00	0.00	
6,445.6	3.52	36.53	6,439.4	164.1	121.5	204.2	0.00	0.00	0.00	
Green River										
6,500.0	3.52	36.53	6,493.7	166.7	123.5	207.5	0.00	0.00	0.00	
6,600.0	3.52	36.53	6,593.5	171.7	127.2	213.7	0.00	0.00	0.00	
6,700.0	3.52	36.53	6,693.3	176.6	130.8	219.8	0.00	0.00	0.00	
6,800.0	3.52	36.53	6,793.1	181.5	134.5	225.9	0.00	0.00	0.00	
6,900.0	3.52	36.53	6,892.9	186.5	138.1	232.1	0.00	0.00	0.00	
7,000.0	3.52	36.53	6,992.8	191.4	141.8	238.2	0.00	0.00	0.00	
7,100.0	3.52	36.53	7,092.6	196.3	145.4	244.3	0.00	0.00	0.00	
7,146.9	3.52	36.53	7,139.4	198.6	147.1	247.2	0.00	0.00	0.00	
Mahogany										
7,200.0	3.52	36.53	7,192.4	201.3	149.1	250.5	0.00	0.00	0.00	
7,300.0	3.52	36.53	7,292.2	206.2	152.7	256.6	0.00	0.00	0.00	
7,400.0	3.52	36.53	7,392.0	211.1	156.4	262.7	0.00	0.00	0.00	
7,500.0	3.52	36.53	7,491.8	216.0	160.0	268.9	0.00	0.00	0.00	
7,600.0	3.52	36.53	7,591.6	221.0	163.7	275.0	0.00	0.00	0.00	
7,700.0	3.52	36.53	7,691.4	225.9	167.3	281.1	0.00	0.00	0.00	
7,800.0	3.52	36.53	7,791.3	230.8	171.0	287.3	0.00	0.00	0.00	
7,900.0	3.52	36.53	7,891.1	235.8	174.6	293.4	0.00	0.00	0.00	
8,000.0	3.52	36.53	7,990.9	240.7	178.3	299.5	0.00	0.00	0.00	
8,100.0	3.52	36.53	8,090.7	245.6	181.9	305.7	0.00	0.00	0.00	
8,200.0	3.52	36.53	8,190.5	250.5	185.6	311.8	0.00	0.00	0.00	
8,219.6	3.52	36.53	8,210.1	251.5	186.3	313.0	0.00	0.00	0.00	
Start Drop -1.50										
8,220.9	3.50	36.53	8,211.4	251.6	186.4	313.1	1.50	-1.50	0.00	
Pelican Bench										
8,300.0	2.31	36.53	8,290.4	254.8	188.7	317.1	1.50	-1.50	0.00	
8,400.0	0.81	36.53	8,390.3	257.0	190.4	319.8	1.50	-1.50	0.00	
8,454.1	0.00	0.00	8,444.4	257.3	190.6	320.2	1.50	-1.50	-67.54	
Start 5365.0 hold at 8454.1 MD - TGR3 - 4-21D-5-19 TGT										
8,500.0	0.00	0.00	8,490.3	257.3	190.6	320.2	0.00	0.00	0.00	
8,580.1	0.00	0.00	8,570.4	257.3	190.6	320.2	0.00	0.00	0.00	
Douglas Creek										



Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Site SECTION 21 T5S, R19E
Company:	Bill Barrett Corporation	TVD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Project:	Fort Duchesne	MD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Site:	SECTION 21 T5S, R19E	North Reference:	True
Well:	FD 4-21D-5-19	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,600.0	0.00	0.00	8,590.3	257.3	190.6	320.2	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,690.3	257.3	190.6	320.2	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,790.3	257.3	190.6	320.2	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,890.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,990.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,090.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,152.1	0.00	0.00	9,142.4	257.3	190.6	320.2	0.00	0.00	0.00	
Bl. Shale Facies										
9,200.0	0.00	0.00	9,190.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,290.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,343.1	0.00	0.00	9,333.4	257.3	190.6	320.2	0.00	0.00	0.00	
Castle Peak										
9,400.0	0.00	0.00	9,390.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,490.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,590.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,690.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,712.1	0.00	0.00	9,702.4	257.3	190.6	320.2	0.00	0.00	0.00	
Uteland Butte										
9,800.0	0.00	0.00	9,790.3	257.3	190.6	320.2	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,890.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,990.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,090.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,190.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,290.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,319.1	0.00	0.00	10,309.4	257.3	190.6	320.2	0.00	0.00	0.00	
Wasatch										
10,400.0	0.00	0.00	10,390.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,490.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,590.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,690.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,790.3	257.3	190.6	320.2	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,890.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,990.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,090.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,190.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,290.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,390.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,490.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,590.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,690.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,790.3	257.3	190.6	320.2	0.00	0.00	0.00	
11,900.0	0.00	0.00	11,890.3	257.3	190.6	320.2	0.00	0.00	0.00	
12,000.0	0.00	0.00	11,990.3	257.3	190.6	320.2	0.00	0.00	0.00	
12,100.0	0.00	0.00	12,090.3	257.3	190.6	320.2	0.00	0.00	0.00	
12,200.0	0.00	0.00	12,190.3	257.3	190.6	320.2	0.00	0.00	0.00	
12,300.0	0.00	0.00	12,290.3	257.3	190.6	320.2	0.00	0.00	0.00	
12,400.0	0.00	0.00	12,390.3	257.3	190.6	320.2	0.00	0.00	0.00	
12,500.0	0.00	0.00	12,490.3	257.3	190.6	320.2	0.00	0.00	0.00	
12,600.0	0.00	0.00	12,590.3	257.3	190.6	320.2	0.00	0.00	0.00	
12,700.0	0.00	0.00	12,690.3	257.3	190.6	320.2	0.00	0.00	0.00	
12,800.0	0.00	0.00	12,790.3	257.3	190.6	320.2	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Site SECTION 21 T5S, R19E
Company:	Bill Barrett Corporation	TVD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Project:	Fort Duchesne	MD Reference:	FD 4-21D-5-19 @ 5413.4usft (Original Well Elev)
Site:	SECTION 21 T5S, R19E	North Reference:	True
Well:	FD 4-21D-5-19	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,900.0	0.00	0.00	12,890.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,000.0	0.00	0.00	12,990.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,100.0	0.00	0.00	13,090.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,200.0	0.00	0.00	13,190.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,300.0	0.00	0.00	13,290.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,400.0	0.00	0.00	13,390.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,500.0	0.00	0.00	13,490.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,600.0	0.00	0.00	13,590.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,700.0	0.00	0.00	13,690.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,800.0	0.00	0.00	13,790.3	257.3	190.6	320.2	0.00	0.00	0.00	
13,819.1	0.00	0.00	13,809.4	257.3	190.6	320.2	0.00	0.00	0.00	
TD at 13819.1										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
4-21D-5-19 TGT	0.00	0.00	8,444.4	257.3	190.6	11,196,923.22	2,113,765.87	40° 22' 23.020 N	109° 48' 9.870 W
- plan hits target center									
- Point									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,465.9	4,463.4	Base Saline Water		0.00		
6,445.6	6,439.4	Green River		0.00		
7,146.9	7,139.4	Mahogany		0.00		
8,220.9	8,211.4	Pelican Bench		0.00		
8,454.1	8,444.4	TGR3		0.00		
8,580.1	8,570.4	Douglas Creek		0.00		
9,152.1	9,142.4	Bl. Shale Facies		0.00		
9,343.1	9,333.4	Castle Peak		0.00		
9,712.1	9,702.4	Uteland Butte		0.00		
10,319.1	10,309.4	Wasatch		0.00		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,000.0	3,000.0	0.0	0.0	Start Build 1.50
3,234.5	3,234.3	5.8	4.3	Start 4985.1 hold at 3234.5 MD
8,219.6	8,210.1	251.5	186.3	Start Drop -1.50
8,454.1	8,444.4	257.3	190.6	Start 5365.0 hold at 8454.1 MD
13,819.1	13,809.4	257.3	190.6	TD at 13819.1

LEGEND:

└ = 90° SYMBOL

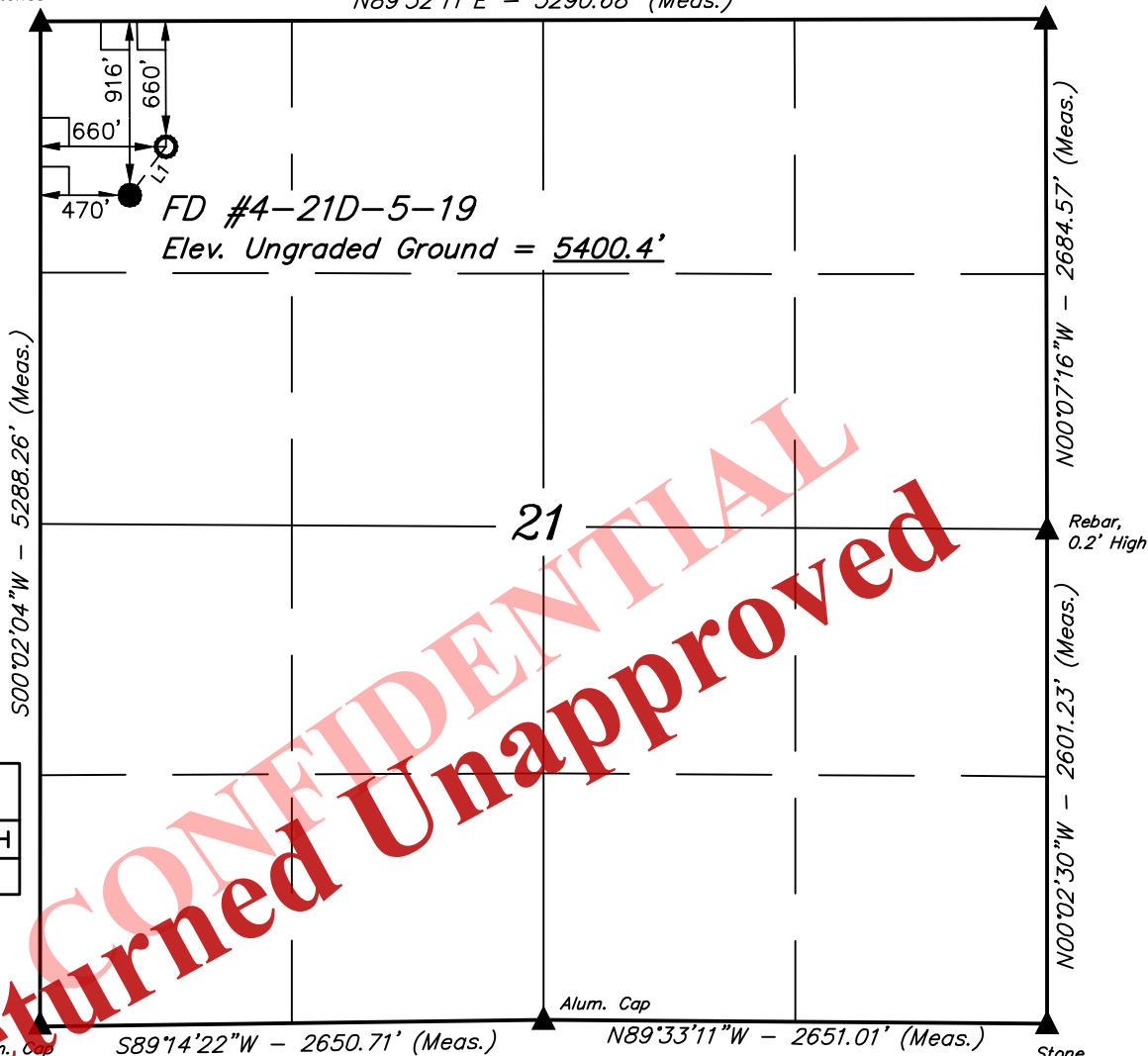
● = PROPOSED WELLHEAD.

○ = TARGET BOTTOM HOLE.

▲ = SECTION CORNERS LOCATED.

Rebar,
Yellow Plastic Cap
0.8' High, Pile of
Stones**T5S, R19E, S.L.B.&M.**

N89°52'11"E - 5290.68' (Meas.)

Rebar,
Orange Plastic Cap
in Cattleguard**LINE TABLE**

LINE	DIRECTION	LENGTH
L1	N36°32'58"E	319.16'

Returned Unapproved



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°22'23.02" (40.373061)	LATITUDE = 40°22'20.48" (40.372356)
LONGITUDE = 109°48'09.87" (109.802742)	LONGITUDE = 109°48'12.33" (109.803425)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°22'23.16" (40.373100)	LATITUDE = 40°22'20.63" (40.372397)
LONGITUDE = 109°48'07.35" (109.802042)	LONGITUDE = 109°48'09.80" (109.802722)

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161310
STATE OF UTAH

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6097 FEET.

BILL BARRETT CORPORATION

FD #4-21D-5-19
NW 1/4 NW 1/4, SECTION 21, T5S, R19E, S.L.B.&M.
UINTAH COUNTY, UTAH

SURVEYED BY: C.R., A.E.	SCALE: 1"=1000'	DRAWN BY: M.L.
DATE: 04-09-14		REVISED: 05-16-14

WELL LOCATION PLAT

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Received: December 04, 2014

SURFACE USE AGREEMENT
(FD 4-21D-5-19)

THIS AGREEMENT Dated August 25, 2014 by and between _____

Mary Lou Huber, or her successor, as Trustee of the Mary Lou Huber Family Living Trust dated November 1, 1983
whose address is P. O. Box 55, Lapoint, Utah 84039
phone # (435-247-2446) _____, hereinafter referred to as "Surface Owner", and
Bill Barrett Corporation and its Subsidiaries _____, whose address is 1099 18th Street, #2300, Denver, CO 80202
hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owner represents that they are the owner in fee and in possession of the surface estate for the following described lands in **Uintah** County, **Utah** , hereinafter referred to as "Lands", to wit:

Township 5 South, Range 19 East, SLM
Section 20: A tract of land lying in the SE/4NE/4 (Lot 2)
Section 21: A tract of land lying in the NW/4NW/4 and SW/4NW/4

as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests within the next five (5) years in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

WHEREAS, Surface Owner is generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the amount of damages to be assessed incident to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

WHEREAS, the parties believe that a reasonable estimate can be made of the damages which will result from the exploration, development and production operations contemplated by such oil and gas leases.

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Operator has the right of ingress and egress and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads and pipelines across portions of the Lands. Operator shall pay Surface Owner as liquidated damages the following sum as full settlement and satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

2. Operator agrees to consult with the surface owner and/or tenant as to all routes of ingress and egress. Prior to the construction of any roads, pipelines, tank battery installations, or installation of any other equipment on the leased premises, Operator shall consult with the surface owner and/or tenant as to the location and direction of same.

3. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.

4. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owner's surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owner may elect in writing, prior to cessation of operations of Operator, to have any road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition.

5. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.

6. In the event Surface Owner considers that Operator has not complied with all its obligations hereunder, both express and implied, Surface Owner shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owner. The service of said notice shall be precedent to the bringing of any action by Surface Owner for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator. In the event of litigation, the prevailing party's reasonable attorney's fees will be paid by the opposing party.

7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owner actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owner from any and all environmental problems it causes on the Lands.

Received: December 04, 2014

8. In the event Surface Owner owns less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.

9. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.

10. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.

11. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

SURFACE OWNER:

Mary Lou Huber
**By: Mary Lou Huber, or her successor, as Trustee
of the Mary Lou Huber Family Living Trust dated
November 1, 1983**

SS/Tax
ID# _____

OPERATOR:
Bill Barrett Corporation

Mitchell J. Reneau
Mitchell J. Reneau, Vice President – Land

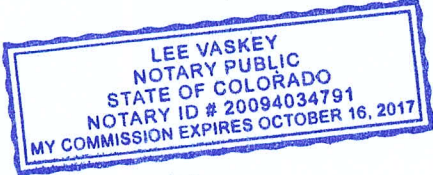
STATE OF _____ }
COUNTY OF _____ } SS
BEFORE me, the undersigned a Notary Public in and for said County and State, on this 3rd day of September, 2014, personally appeared Mary Lou Huber, in the capacity as stated above, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

Connie Maloney
Notary Public for the state of _____
Residing at: Kernal, Utah

ACKNOWLEDGEMENT

STATE OF COLORADO }
CITY & COUNTY OF DENVER } SS

On the 9th day of September, 2014, before me the undersigned authority, appeared **Mitchell J. Reneau**, to me personally known, who, being sworn, did say that they are the Vice President – Land for Bill Barrett Corporation, and that the foregoing instrument was signed on behalf of said corporation and Appearer acknowledged to me that said instrument to be the free act and deed of the corporation.



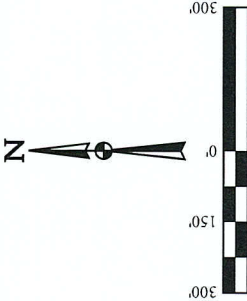
Lee Vaskey
Notary Public for the state of _____
Residing at: Denver, CO

BILL BARRETT CORPORATION
LOCATION SURFACE USE AREA &
ROAD RIGHT-OF-WAY
ON FEE LANDS

FD #4-21D-5-19

LOCATED IN
SECTION 21, T5S, R19E, S.L.B.&M.
UTAH COUNTY, UTAH

BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION



RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
MARY LOU HUBER	1639.11	1.129	99.34

NOTE: PROPERTY LINES SHOWN HAVE BEEN RE-ESTABLISHED FROM COUNTY RECORDS AND HAVE NOT BEEN SURVEYED BY UTAH ENGINEERING AND LAND SURVEY. UELS DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

SURVEYED BY: C.R., A.E.	SURVEY DATE: 04-09-14
DRAWN BY: M.L.	DATE DRAWN: 04-17-14
SCALE: 1" = 300'	FILE: 56589
	REVISED: 06-16-14 C.C.

ACCESS ROAD RIGHT-OF-WAY PLAT

Section Line N89°52'11"E - 5290.68' (Meas.)

LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	S61°36'32"E	49.47'	L9	N85°33'30"E	202.13'
L2	N81°18'52"E	1025.57'	L10	S87°12'34"E	141.42'
L3	N81°18'52"E	346.30'	L11	S87°12'34"E	40.61'
L4	N04°42'25"E	213.77'	L12	S00°19'19"W	258.74'
L5	N04°43'34"E	53.33'	L13	S16°40'34"W	136.77'
L6	N65°34'26"W	121.57'	L14	S16°40'34"W	136.77'
L7	N02°17'23"E	233.21'	L15	N83°07'12"W	264.50'
L8	N16°36'55"E	211.32'	L16	N00°01'13"E	391.73'

SURFACE USE AREA
FD #4-21D-5-19

Contains 4.743 Acres
DARRELL HUBER
FAMILY

END OF PROPOSED ROAD
RIGHT-OF-WAY
STA. 15+39.11
(At Edge of Surface Use Area)

1/15 Section Line
NW 1/4

SURFACE USE AREA DESCRIPTION ON MARY LOU HUBER LANDS

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 21, T5S, R19E, S.L.B.&M., WHICH BEARS S17°11'52"E 1214.25' FROM THE NORTHWEST CORNER OF SAID SECTION 21, THENCE N85°34'26"W 121.57'; THENCE N02°17'23"E 233.21'; THENCE N16°36'55"E 211.32'; THENCE N86°33'30"E 202.13'; THENCE S87°12'34"E 141.42'; THENCE S00°19'19"W 258.74'; THENCE S16°40'34"W 136.77'; THENCE N83°07'12"W 264.50' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.451 ACRES MORE OR LESS.

SURFACE USE AREA DESCRIPTION ON DARRELL HUBER FAMILY LANDS

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 21, T5S, R19E, S.L.B.&M., WHICH BEARS S44°39'46"E 940.48' FROM THE NORTHWEST CORNER OF SAID SECTION 21, THENCE S87°12'34"E 40.61'; THENCE S00°19'19"W 258.74'; THENCE S16°40'34"W 136.77'; THENCE N00°01'13"E 391.73' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.297 ACRES MORE OR LESS.

Sec. 21

SW 1/4

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

BEGINNING AT A POINT IN LOT 2 OF SECTION 20, T5S, R19E, S.L.B.&M., WHICH BEARS S34°17'45"W 1885.00' FROM THE NORTHEAST CORNER OF SAID SECTION 20, THENCE S61°36'32"E 49.47'; THENCE N81°18'52"E 1029.57' TO A POINT ON THE EAST LINE OF LOT 2 OF SAID SECTION 20 WHICH BEARS S00°02'04"W 1425.32' FROM THE NORTHEAST CORNER OF SAID SECTION 20, THENCE N81°18'52"E 346.30'; THENCE N04°42'25"E 213.77' TO A POINT IN THE NW 1/4 NW 1/4 OF SAID SECTION 21, T5S, R19E, S.L.B.&M. WHICH BEARS S17°11'52"E 1214.26' FROM THE NORTHWEST CORNER OF SAID SECTION 21. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.129 ACRES MORE OR LESS.

Sec. 20

MARY LOU HUBER

LOT 2

BEGINNING OF ROAD STA. 0+00 BEARS S34°17'45"W 1885.00' FROM THE NORTHEAST CORNER OF SECTION 20, T5S, R19E, S.L.B.&M.

P.O.S.L. ROAD STA. 10+79.04 BEARS S00°02'04"W 1425.32' FROM THE NORTHWEST CORNER OF SECTION 21, T5S, R19E, S.L.B.&M.

END OF ROAD STA. 16+39.11 BEARS S17°11'52"E 1214.26' FROM THE NORTHWEST CORNER OF SECTION 21, T5S, R19E, S.L.B.&M.

P.O.P.L. #1 BEARS S44°39'46"E 940.48' FROM THE NORTHWEST CORNER OF SECTION 21, T5S, R19E, S.L.B.&M.

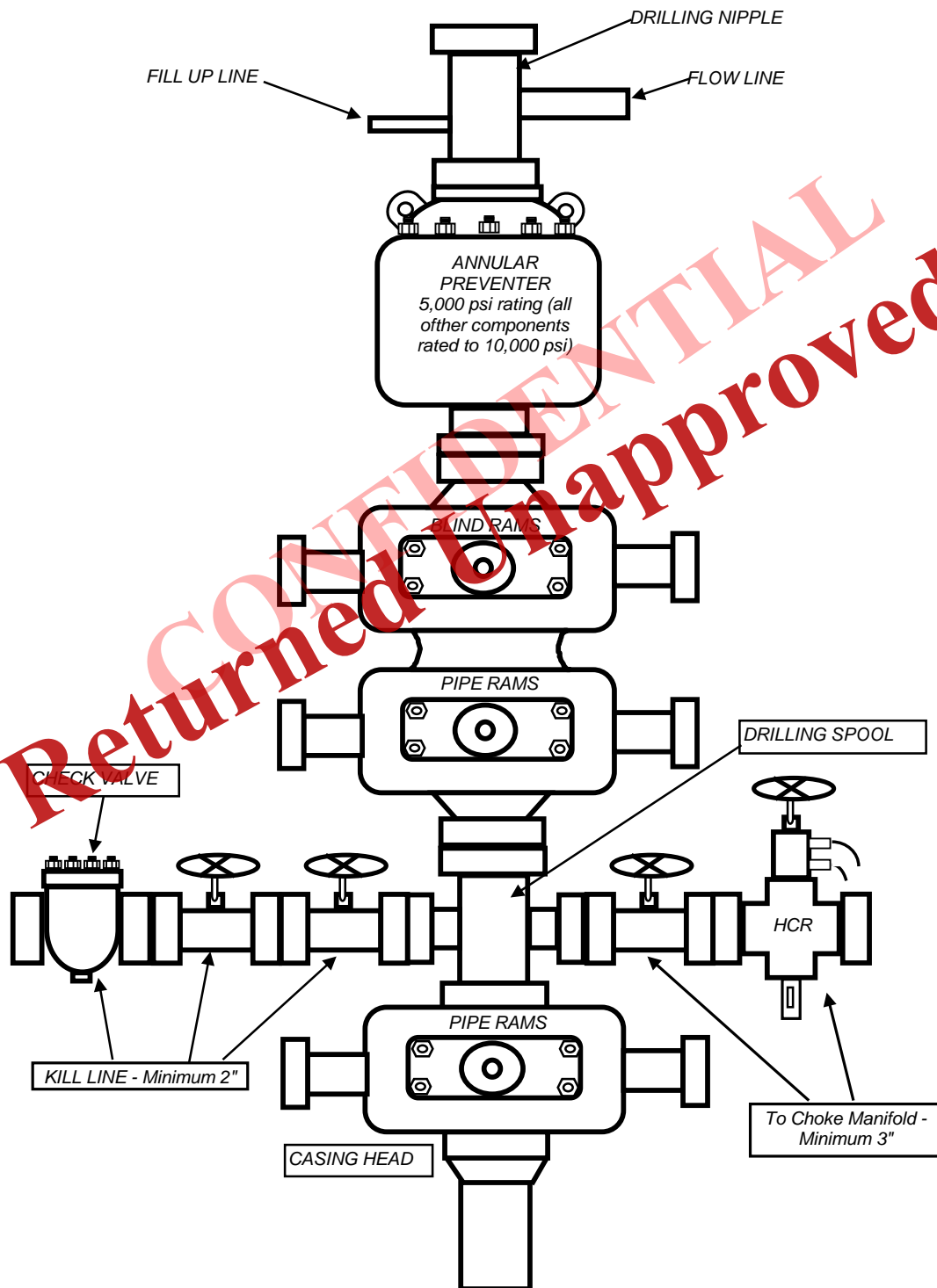
P.O.P.L. #2 BEARS S31°55'47"E 1249.74' FROM THE NORTHWEST CORNER OF SECTION 21, T5S, R19E, S.L.B.&M.

LEGEND:

- P.I. = POINT OF INTERSECTION
- P.O.P.L. = POINT ON PROPERTY LINE
- P.O.S.L. = POINT ON SECTION LINE
- ▲ = SECTION CORNERS LOCATED.

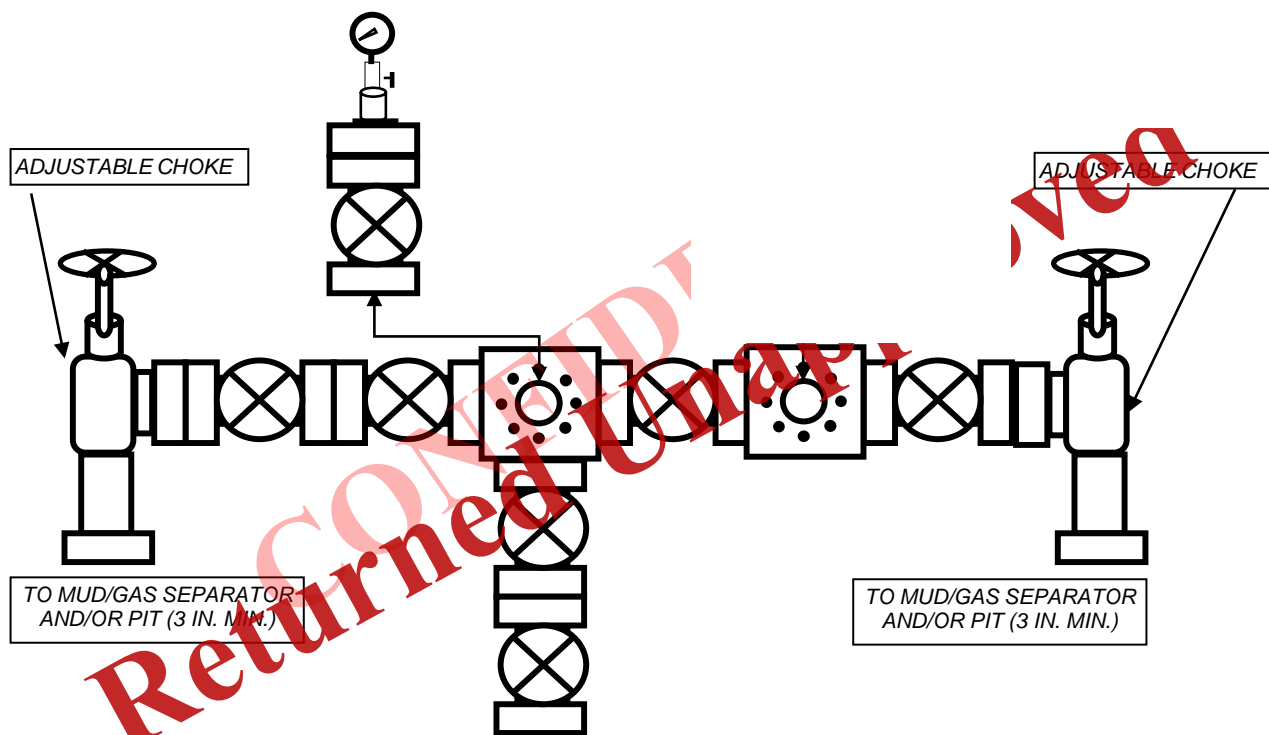
BILL BARRETT CORPORATION

TYPICAL 10,000 p.s.i. BLOWOUT PREVENTER

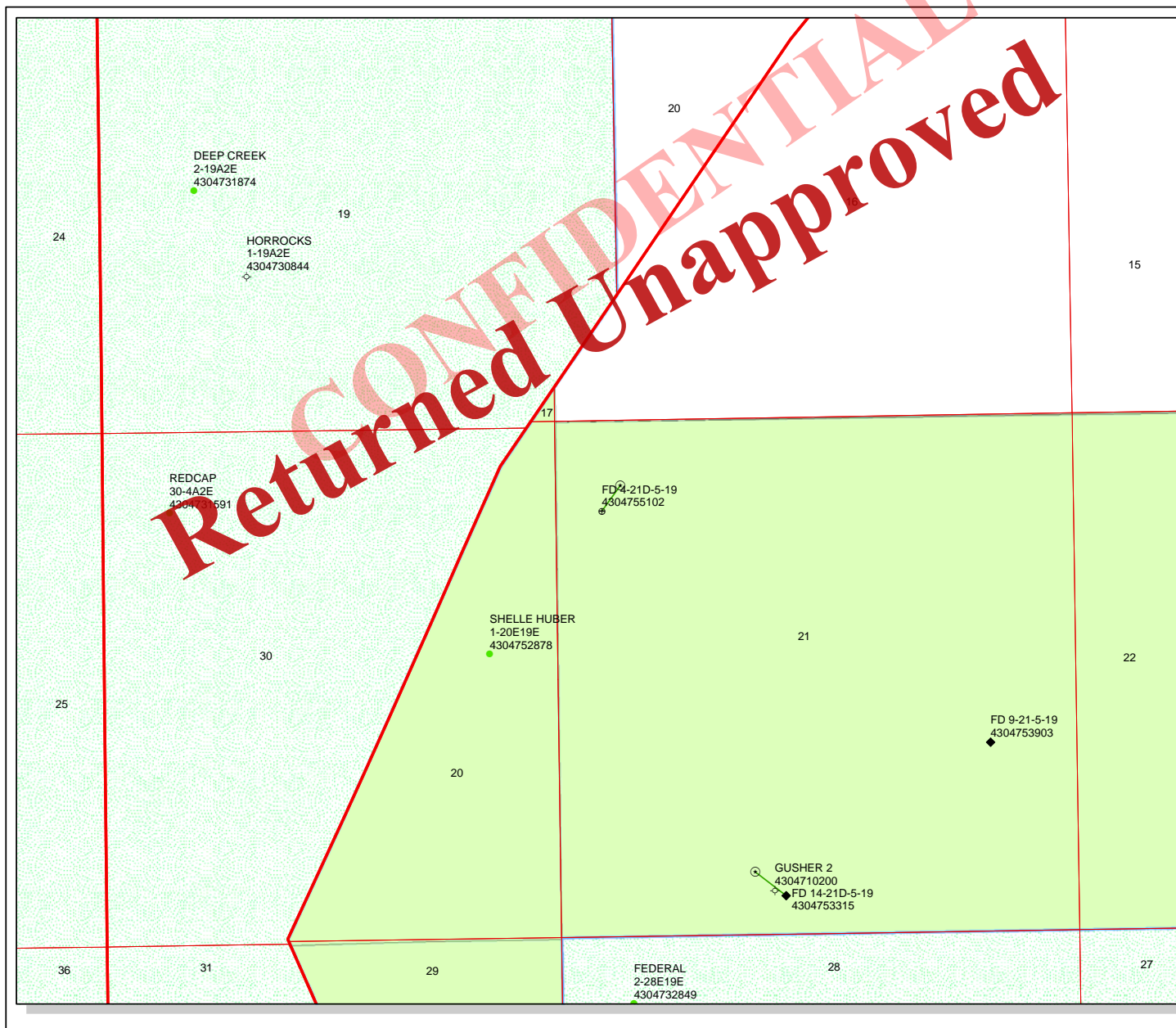


BILL BARRETT CORPORATION

TYPICAL 10,000 p.s.i. CHOKE MANIFOLD



ALL EQUIPMENT IS 3" (MINIMUM).



API Number: 4304755102

Well Name: FD 4-21D-5-19

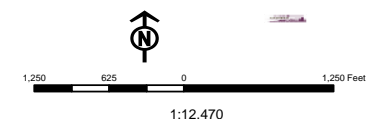
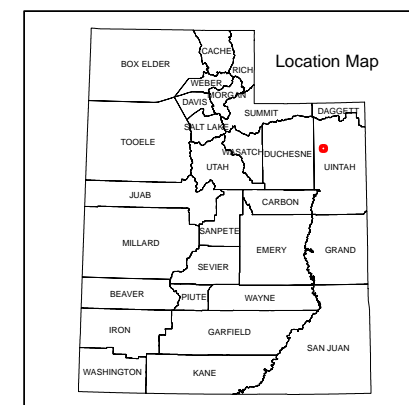
Township: T05.0S Range: R19.0E Section: 21 Meridian: S

Operator: BILL BARRETT CORP

Map Prepared: 12/11/2014
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
APD - Approved Permit		ACTIVE	
DRL - Spudded (Drilling Commenced)		EXPLORATORY	
GRW - Gas Injection		GAS STORAGE	
GS - Gas Storage		NF PP OIL	
LOC - New Location		NF SECONDARY	
OPS - Operation Suspended		PI OIL	
PA - Plugged Abandoned		PP GAS	
PGW - Producing Gas Well		PP GEOTHERML	
PQW - Producing Oil Well		PP OIL	
SGW - Shut-in Gas Well		SECONDARY	
SGW - Shut-in Oil Well		TERMINATED	
TA - Temp. Abandoned			
TW - Test Well			
WOW - Water Disposal			
WW - Water Injection Well			
WSW - Water Supply Well			

Fields	STATUS
	Unknown
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	STORAGE
	TERMINATED



Received: December 11, 2014



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 10, 2015

BILL BARRETT CORP
1099 18th Street Ste 2300
Denver, CO 80202

Re: Application for Permit to Drill - UINTAH County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the FD 4-21D-5-19 well, API 43047551020000 that was submitted December 04, 2014 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah



